SURGICAL NEUROLOGY

AN INTERNATIONAL JOURNAL

Volume Contents

VOLUME 44/NUMBER 7/JULY 1995

Editorial

1 **IN THIS ISSUE. . .**
James I. Ausman

Neoplasm

3 **SHOULD MENIGIOMAS INVOLVING THE CAVERNOUS SINUS BE TOTALLY RESECTED?**
Michiyasu Suzuki, Kazuo Mizoi, and Takashi Yoshimoto
COMMENTARY
Ossama Al-Mefty, Felix Umansky, Harry R. van Loveren, and Donlin M. Long

14 **HOT FLUSHES IN MEN WITH PITUITARY ADENOMA**
Sara M. McReynolds, Stephen R. Freidberg, André T. Guay, Arthur K.C. Lee, Artemis G. Pazianos, and Syed Faiyaz Hussain
COMMENTARY
Dieter K. Lüdecke, Donald P. Becker, and Maura Loyo-Varela

19 **THE PATHOLOGIC, SURGICAL, AND MR SPECTRUM OF RATHKE CLEFT CYSTS**
Bette K. Kleinschmidt-DeMasters, Kevin O. Lillehei, and John C. Stears
COMMENTARY
Alex M. Landolt and Julius M. Goodman

Trauma

28 **SELLA TURCICA FRACTURES IN A TRAUMA SERIES AND THEIR CLINICAL SIGNIFICANCE**
Necdet Çeviker, Kemali Baykaner, Semih Keskil, Sedat Işik, Mahmut Tokyay, Memduh Kaymaz, and Sükrü Aykol
COMMENTARY
Michael E. Carey

31 **TRAUMATIC BASILAR IMPRESSION: CASE REPORT**
Toshihiko Kuroiwa, Harushi Tanabe, Toshio Hasegawa, and Tomio Ohta

Pain

33 **TRIGEMINAL NEURALGIA CAUSED BY A CEREBELLOPONTINE-ANGLE LIPOMA: CASE REPORT**
Tsutomu Kato, Yutaka Sawamura, and Hiroshi Abe
COMMENTARY
Takanori Fukushima

SURGICAL NEUROLOGY

AN INTERNATIONAL JOURNAL

Volume Contents

VOLUME 44/NUMBER 7/JULY 1995

Editorial

1 **IN THIS ISSUE. . .**
James I. Ausman

Neoplasm

3 **SHOULD MENIGIOMAS INVOLVING THE CAVERNOUS SINUS BE TOTALLY RESECTED?**
Michiyasu Suzuki, Kazuo Mizoi, and Takashi Yoshimoto
COMMENTARY
Ossama Al-Mefty, Felix Umansky, Harry R. van Loveren, and Donlin M. Long

14 **HOT FLUSHES IN MEN WITH PITUITARY ADENOMA**
Sara M. McReynolds, Stephen R. Freidberg, André T. Guay, Arthur K.C. Lee, Artemis G. Pazianos, and Syed Faiyaz Hussain
COMMENTARY
Dieter K. Lüdecke, Donald P. Becker, and Maura Loyo-Varela

19 **THE PATHOLOGIC, SURGICAL, AND MR SPECTRUM OF RATHKE CLEFT CYSTS**
Bette K. Kleinschmidt-DeMasters, Kevin O. Lillehei, and John C. Stears
COMMENTARY
Alex M. Landolt and Julius M. Goodman

Trauma

28 **SELLA TURCICA FRACTURES IN A TRAUMA SERIES AND THEIR CLINICAL SIGNIFICANCE**
Necdet Çeviker, Kemali Baykaner, Semih Keskil, Sedat Işik, Mahmut Tokyay, Memduh Kaymaz, and Sükrü Aykol
COMMENTARY
Michael E. Carey

31 **TRAUMATIC BASILAR IMPRESSION: CASE REPORT**
Toshihiko Kuroiwa, Harushi Tanabe, Toshio Hasegawa, and Tomio Ohta

Pain

33 **TRIGEMINAL NEURALGIA CAUSED BY A CEREBELLOPONTINE-ANGLE LIPOMA: CASE REPORT**
Tsutomu Kato, Yutaka Sawamura, and Hiroshi Abe
COMMENTARY
Takanori Fukushima

36 **NEURINOMA OF THE TRIGEMINAL ROOT AND ATYPICAL TRIGEMINAL NEURALGIA: CASE REPORT AND REVIEW OF THE LITERATURE**
Flavio Tancioni, Paolo Gaetani, Laura Villani, Federico Zappoli, and Riccardo Rodriguez y Baena
COMMENTARY
Peter J. Jannetta

Congenital Anomalies
43 **ADULT-ONSET PRESENTATION OF DANDY-WALDER VARIANT IN SIBLINGS**
Herbert H. Engelhard and Joel R. Meyer
COMMENTARY
Fernando Rueda-Franco and Luis Schut

48 **FAMILIAL SYRINGOMYELIA: CASE REPORT AND REVIEW OF THE LITERATURE**
Ahmad Zakeri, Franz E. Glasauer, and James G. Egnatchik
COMMENTARY
Harold J. Hoffman

Scientific Update
54 **BASIS OF BRAIN TUMOR BIOLOGY**
Paul L. Kornblith

Experimental Study
55 **EFFECT OF MANNITOL ON FOCAL CEREBRAL ISCHEMIA EVALUATED BY SOMATOSENSORY-EVOKED POTENTIALS AND MAGNETIC RESONANCE IMAGING**
Hidenori Kobayashi, Hisashi Ide, Masanori Kabuto, Yuji Handa, Toshihiko Kubota, and Yasushi Ishii
COMMENTARY
Howard Yonas and Christopher M. Loftus

Technical Note
63 **HEMODYNAMIC EVALUATION WITH DYNAMIC DSA DURING THE TREATMENT OF CEREBRAL VASOSPASM: A RETROSPECTIVE STUDY**
Hajime Touho
COMMENTARY
Gerard Debrun, Grant B. Hieshima, and Christopher F. Dowd

Expert Opinion
75 **ANGIOGRAPHIC WORKUP OF A CAROTID CAVERNOUS SINUS FISTULA (CCF) OR WHAT INFORMATION DOES THE INTERVENTIONALIST NEED FOR TREATMENT?**
Gerard M. Debrun

Resident's Corner
80 **NEUROSURGICAL MANAGEMENT OF THE FRONTAL SINUS**
Tarik H. Abd El-Bary

82 **ADVICE TO YOUNG NEUROSURGEONS**
Charles B. Wilson

History
83 **ACROMEGALY AND PITUITARY TUMORS: EARLY ANATOMOCLINICAL OBSERVATIONS**
Andrea Brunori, Patrizio Bruni, Alberto Delitala, and Francesco Chiappetta

Meeting Review
88 **XITH CONGRESS OF THE EUROPEAN SOCIETY FOR STEREOTACTIC AND FUNCTIONAL NEUROSURGERY**
Yücel Kanpolat

Editorial
90 **PUBLICATION WORLD AND WORLD PUBLICATIONS**
Konstantin V. Slavin

Neurosurgery Notes
91 *James I. Ausman*

Brief Communication
92 **USE OF OUTER LAYER OF DURA AS A PEDICLED FLAP**
Atul Goel

94 *Reader's Comments*

97 *Book Reviews*

99 *Announcements*

104 *Upcoming Features*

VOLUME 44/NUMBER 8/AUGUST 1995

Editorial
105 **IN THIS ISSUE**
James I. Ausman, MD, PhD

Editorial
106 **WHAT WILL IT TAKE?**
Stanley Pelofsky

Featured Subject: Management of Cerebrovascular Disease
107 **WHAT IS YOUR GENERAL APPROACH TO THE MANAGEMENT OF BRAIN STEM AVMS?**
Duke Samson, Ladislau Steiner, Bennett M. Stein, and Gerard Debrun

109 **DELAYED RECANALIZATION OF A CEREBRAL ARTERIOVENOUS MALFORMATION FOLLOWING ANGIOGRAPHIC OBLITERATION WITH POLYVINYL ALCOHOL EMBOLIZATION**
Scott C. Standard, Lee R. Guterman, Tamerla D. Chavis, and L. Nelson Hopkins
COMMENTARY
Gerard Debrun

114 **How to Treat Incidental Cerebral Aneurysms: A Review of 139 Consecutive Cases**
Kazuo Mizoi, Takashi Yoshimoto, Yoshihide Nagamine, Takamasa Kayama, and Keiji Koshu
COMMENTARY
Duke Samson and Jean Pierre Castel

122 **A3-A3 Side-to-Side Anastomosis in the Anterior Communicating Artery Aneurysm Surgery: Report of Four Cases**
Shoji Mabuchi, Hiroyasu Kamiyama, Nobumitsu Kobayashi, and Hiroshi Abe
COMMENTARY
Peter Schmiedek and Shigeaki Kobayashi

128 **Giant Aneurysm at the Origin of the Accessory Middle Cerebral Artery**
Shunsuke Sugita, Tatsuo Yuge, Jun Miyagi, Naoko Fujimura, and Minoru Shigemori
COMMENTARY
Hirotoshi Sano

Spine

131 **A Technique for Prevention of Donor Site Pain Associated with Harvesting Iliac Bone Grafts**
Takeo Tanishima, Norio Yoshimasu, and Masahiro Ogai
COMMENTARY
John P. Wissinger

133 **Spontaneous Spinal Subarachnoid Hematoma—Case Report**
Ichiro Sunada, Yoshinori Akano, Yusuke Kidosaki, Nobuyuki Shimokawa, and Shigeru Yamamoto

Tumors: Pediatric and Adult

137 **Analysis of Brain Tumors Using ^{1}H Magnetic Resonance Spectroscopy**
Duncan Q. McBride, Bruce L. Miller, Diana L. Nikas, Steven Buchthal, Linda Chang, Frances Chiang, and Ruth A. Booth
COMMENTARY
Paul L. Kornblith

145 **A Comparison of Intraarterial Carboplatin and ACNU for the Treatment of Gliomas**
Takashi Fujiwara, Yoshihito Matsumoto, Yutaka Honma, Hideyuki Kuyama, Seigo Nagao, and Motoomi Ohkawa
COMMENTARY
William R. Shapiro

151 **Experimental Study of Intraoperative Local Chemotherapy with Fibrin Glue Containing Nitrosourea for Malignant Gliomas**
Masanori Kabuto, Toshihiko Kubota, Hidenori Kobayashi, Takao Nakagawa, Yoshikazu Arai, and Ryuhei Kitai
COMMENTARY
Paul L. Kornblith and Steven Brem

Experimental: Vascular

158 **IMPORTANCE OF PREVENTION OF INTRAVENOUS THROMBOSIS AND PRESERVATION OF THE VENOUS COLLATERAL FLOW IN BRIDGING VEIN INJURY DURING SURGERY: AN EXPERIMENTAL STUDY**
Toshisuke Sakaki, Toshio Kakizaki, Toshikazu Takeshima, Kazunori Miyamoto, and Shozaburo Tsujimoto
COMMENTARY
Bernard George

163 **PERCUTANEOUS TRANSLUMINAL ANGIOPLASTY IN A CANINE MODEL OF CEREBRAL VASOSPASM: ANGIOGRAPHIC, HISTOLOGIC, AND PHARMACOLOGIC EVALUATION**
Yasunobu Fujii, Akira Takahashi, and Takashi Yoshimoto
COMMENTARY
Christopher F. Dowd, Neal F. Kassell, R. Loch Macdonald, and Gerard Debrun

172 **CHANGES IN THE CEREBROCORTICAL CAPILLARY NETWORK FOLLOWING VENOUS SINUS OCCLUSION IN CATS**
Hidemi Kanaiwa, Hiroji Kuchiwaki, Suguru Inao, and Kenichiro Sugita
COMMENTARY
Hans J. Reulen

Technical Note

181 **SUBGALEAL PRESERVATION OF CALVARIAL FLAPS**
Atul Goel and Milind Deogaonkar
COMMENTARY
Chung-cheng Wang, Gilberto Machado de Almeida, Milton K. Shibata, and David Danoff

Resident's Corner

184 **DISSEMINATED INTRAVASCULAR COAGULATION**
Rudiger Lukas

Meeting Review

185 **FRENCH-SPEAKING SOCIETY OF NEUROSURGERY**
Marc Levivier and Patrick Mertens

Editorial

189 **ALL THE NEWS THAT'S FIT TO PRINT?**
James I. Ausman

192 *Reader's Comments*

193 *Book Reviews*

196 *Announcements*

200 *Upcoming Features*

VOLUME 44/NUMBER 9/SEPTEMBER 1995

Editorial

201 **IN THIS ISSUE . . .**
James I. Ausman

Medicolegal Issues

202 **A NEUROSURGICAL CALL TO ARMS: YOU CAN HELP**
Jack Kushner

205 **RESPONSE TO DR. KUSHNER'S "CALL TO ARMS"**
J. Douglas Peters

Featured Subject: Astrocytomas

208 **PROGNOSTIC FACTORS IN LOW-GRADE SUPRATENTORIAL ASTROCYTOMAS: A UNI-MULTIVARIATE STATISTICAL ANALYSIS IN 76 SURGICALLY TREATED ADULT PATIENTS**
Antonio Nicolato, Massimo A. Gerosa, Paolo Fina, Paolo Iuzzolino, Fabrizia Giorgiutti, and Albino Bricolo

224 **LOW-GRADE ASTROCYTOMAS: PROGNOSIS FACTORS AND ELEMENTS OF MANAGEMENT**
Hugues Loiseau, Jean-François Dartigues, and François Cohadon

Spine

228 **MYELOPATHY ASSOCIATED WITH FIBROCARTILAGINOUS EMBOLI (FE): REVIEW AND TWO SUSPECTED CASES**
John M. McLean, Gerald L. Palagallo, John P. Henderson, and Jill A. Kimm
COMMENTARY
Donlin M. Long, Gerard Debrun, and Joseph C. Maroon

Spine: Trauma

236 **CERVICAL CENTRAL CORD SYNDROME INVOLVING THE SPINAL TRIGEMINAL NUCLEUS: A CASE REPORT**
Han Soo Chang
COMMENTARY
George J. Dohrmann and Ronald F. Young

Spine: Infection

241 **INTRAMEDULLARY TUBERCULOMA: REPORT OF TWO CASES WITH MRI FINDINGS**
V.K. Gupta, B.S. Sharma, and V.K. Khosla
COMMENTARY
Mauro Loyo and Sayed El-Gindi

Vascular: Pediatric and Adult

245 **ANASTOMOSIS OF OCCIPITAL ARTERY TO POSTERIOR CEREBRAL ARTERY WITH INTERPOSITION OF SUPERFICIAL TEMPORAL ARTERY USING OCCIPITAL INTERHEMISPHERIC TRANSTENTORIAL APPROACH: CASE REPORT**
Hajime Touho, Jun Karasawa, Hideyuki Ohnishi, and Kunihiko Kobitsu
COMMENTARY
James I. Ausman, Fernando G. Diaz, and Philip R. Weinstein

251 **EVALUATION OF CEREBRAL BLOOD FLOW AND HEMODYNAMIC RESERVE IN SYMPTOMATIC MOYAMOYA DISEASE USING STABLE XENON-CT BLOOD FLOW**
Michael Horowitz, Howard Yonas, and A. Leland Albright
COMMENTARY
Takashi Yoshimoto and Tsuneyoshi Eguchi

263 **Surgical Treatment of a Cerebral Mycotic Aneurysm Using the Stereo-Angiographic Localizer**
V. D'Angelo, E. Fiumara, L. Gorgoglione, F. Florio, and A. Ceddia

265 **Computerized Tomography (CT) Localized Stereotactic Craniotomy for Excision of a Bacterial Intracranial Aneurysm**
Eric H. Elowitz, Walter D. Johnson, and Thomas H. Milhorat
COMMENTARY
Neil A. Martin

270 **Anticoagulation for Prevention of Cerebral Infarcts Following Subarachnoid Hemorrhage**
David Z. Wang, Nancy Futrell, Charles Taylon, and Clark Millikan

275 **Subarachnoid and Intraventricular Hemorrhage Caused by Hypernephroma Metastasis, Accompanied by Innocent Bilateral Posterior Communicating Artery Aneurysms**
Uwe Spetzger, Michael Mull, Ulrich Sure, and Joachim Gilsbach

Technical Note
279 **The Juxtacondylar Approach to the Jugular Foramen (Without Petrous Bone Drilling)**
B. George, G. Lot, and P. Tran Ba Huy
COMMENTARY
Leonard I. Malis and Kil Soo Choi

Resident's Corner
285 **Periventricular Lucency on Computed Tomography Associated with Hydrocephalus: What Is the Cause?**
M. Serdar Alp

Editorial
287 **Is "Conservative" Really the Opposite of "Surgical"?**
James I. Ausman

Historical Vignette
288 **Doctor Cushing as I Knew Him**
Carl W. Rand

Readers' Comments
293 **HR 18118: Medical Savings Accounts**
Bert A. Loftman

294 **Have Neurosurgeons Lost Their Chance to Treat the Patient with Spine Problems, Vascular Disease, and Peripheral Nerve Problems?**
Joan Venes

295 *Book Reviews*

298 *Announcements*

305 *Upcoming Features*

VOLUME 44/NUMBER 10/OCTOBER 1995

Editorial

307 **IN THIS ISSUE . . .**
James I. Ausman

New Technology

308 **EVALUATION OF ENDOSCOPY IN THE TREATMENT OF RARE MENINGOCELES: PRELIMINARY RESULTS**
Christian Raftopoulos, Danielle Balériaux, Sabine Hancq, Jean Closset, Philippe David, and Jacques Brotchi
COMMENTARY
Alan R. Cohen, Bernhard L. Bauer, and Dieter Hellwig

319 **ASSESSMENT OF DELAYED CEREBRAL VASOSPASM USING INTRACISTERNAL ECHOGRAPHY—TECHNICAL NOTE**
Hajime Touho, Jun Karasawa, Hideyuki Ohnishi, and Norihiko Furuoka
COMMENTARY
Kyu Chang Lee

326 **PERSISTENT FEEDING ARTERIES TO ANGIOGRAPHICALLY COMPLETELY EMBOLIZED ARTERIOVENOUS MALFORMATION DEMONSTRATED BY INTRAOPERATIVE COLOR-FLOW DOPPLER TESTING: REPORT OF TWO CASES**
Robert Goodkin, Guy M. McKhann II, David R. Haynor, Marc R. Mayberg, Joseph M. Eskridge, and H. Richard Winn
COMMENTARY
Gerard Debrun

334 **TRANSCRANIAL DOPPLER ANALYSIS OF CEREBRAL HEMODYNAMICS IN PRIMARY CRANIOSYNOSTOSIS: STUDY IN PROGRESS**
Stephanie Rifkinson-Mann, Bozenza Goraj, Denise Leslie, Paul F. Visintainer, and Horacio M. Padua, Jr.
COMMENTARY
Dominique Renier

338 **^{99m}Tc-HMPAO LABELED LEUKOCYTE SPECT IN INTRACRANIAL LESIONS**
Dong Gyu Kim, Jung Il Lee, Dong Soo Lee, Myung Chul Lee, Kil Soo Choi, and Dae Hee Han

Vascular: Pediatric and Adult

346 **MIDDLE CEREBRAL ARTERY ENDARTERECTOMY: EXPERIENCE WITH TWO CASES**
Gary E. Kraus, James M. Herman, K. Stuart Lee, Robert F. Spetzler, and James L. Frey
COMMENTARY
Takashi Yoshimoto, Howard Yonas, and James I. Ausman

356 **Rapid Spontaneous Diminution of Cisternal Blood on Computed Tomography in Patients with Subarachnoid Hemorrhage**
Tetsuji Inagawa, Naohiko Ohbayahi, and Hiroshi Hada
COMMENTARY
N. Dorsch and Bryce Weir

365 **Surgical Obliteration for Vein of Galen Malformation: A Case Report**
John L. Moriarity, Jr. and Gary K. Steinberg
COMMENTARY
Marion L. Walker, Fernando Viñuela, and Michel A. Zerah

Pediatric Neurosurgery: Update
371 **What's New in Pediatric Neurosurgery**
Harold J. Hoffman

Trauma
373 **Clinical Significance of Admission Hyperglycemia and Factors Related to It in Patients with Acute Severe Head Injury**
Shu-yuan Yang, Sai Zhang, and Ming-Lu Wang

Infection
378 **Central Nervous System Tuberculosis: Medical Management and Surgical Indications**
Mitchell R. Gropper, Michael Schulder, Ashwini D. Sharan, and Eun-Sook Cho
COMMENTARY
Julio Sotelo and P.N. Tandon

Tumor
386 **Nonresective Treatment of Pineoblastoma: A Case Report**
Arun-Angelo Patil, Roger Good, Rifat Bashir, and Hamid Etemadrezaie
COMMENTARY
Jeffrey Bruce, Bennett Stein, Christoph Ostertag, Harold J. Hoffman, and Yukitaka Ushio

Anatomy
392 **Microsurgical Anatomy of the Atlantal Part of the Vertebral Artery**
Tarik H. Abd El-Bary, Manuel Dujovny, and James I. Ausman
COMMENTARY
Bernard George

Practice Development
402 **The Development of a Successful Neurosurgical Practice**
Joseph C. Maroon

Editorial
403 **Who Is Going to Find Out?**
James I. Ausman

Obituary

405 **A TRIBUTE TO HARRY M. ZIMMERMAN**
Eben Alexander, Jr.

WFNS News

406 **NEWS FROM THE WFNS EDUCATION COMMITTEE**
James I. Ausman

409 *Reader's Comments*

410 *Book Reviews*

412 *Upcoming Features*

VOLUME 44/NUMBER 11/NOVEMBER 1995

Editorial

413 **IN THIS ISSUE . . .**
James I. Ausman

Radiosurgery

414 **RADIOSURGERY PATTERNS OF PRACTICE**
David A. Larson, Christer Lindquist, Jay S. Loeffler, and L. Dade Lunsford
COMMENTARY
Kintomo Takakura, Dheerendra Prasad, Ladislau Steiner, and Osvaldo O. Betti

421 **GAMMA KNIFE RADIOSURGERY FOR CEREBRAL ARTERIOVENOUS MALFORMATIONS: AN AUTOPSY REPORT FOCUSING ON IRRADIATION-INDUCED CHANGES OBSERVED IN NIDUS-UNRELATED ARTERIES**
Masaaki Yamamoto, Minoru Jimbo, Mitsunobu Ide, Makio Kobayashi, Chiasto Toyoda, Christer Lingquist, and Bengt Karlson
COMMENTARY
L. Dade Lunsford, Bennett M. Stein, and Michael B. Sisti

New Technology

428 **HOLOGRAPHIC IMAGING OF HUMAN BRAIN PREPARATIONS—A STEP TOWARD VIRTUAL MEDICINE**
Katheryn Ko and John M. Webster
COMMENTARY
Ulrich Dirnagl

Vascular: Hemorrhage

433 **PRIMARY INTRAVENTRICULAR HEMORRHAGE IN ADULTS: CLINICAL FEATURES, RISK FACTORS, AND OUTCOME**
Mary Angelopoulos, Sudha R. Gupta, and B. Azat Kia
COMMENTARY
J. Max Findlay

438 **MANAGEMENT OF INTRACRANIAL HEMORRHAGE ASSOCIATED WITH ANTICOAGULANT THERAPY**
Takakazu Kawamata, Mikihiko Takeshita, Osami Kubo, Masahiro Izawa, Mizuo Kagawa, and Kintomo Takakura
COMMENTARY
Michael B. Pritz and Michael E. Carey

444 **Clinical Findings in Patients with Recurrent Intracerebral Hemorrhage**
Masaharu Maruishi, Takeshi Shima, Yoshikazu Okada, Masahiro Nishida, Kanji Yamane, Shinji Okita
COMMENTARY
Howard Kaufman

Vascular: Ischemia
450 **The Anatomical Basis for Cerebellar Infarcts**
Slodoban Marinković, Miroslav Kovačević, Hirohiko Gibo, Milan Milisavljević, and Ljiljana Bumbaširević
COMMENTARY
Louis R. Caplan

Neoplasms: Genetics
462 **Investigation of Chemoresistance-Related Genes mRNA Expression for Selecting Anticancer Agents in Successful Adjuvant Chemotherapy for a Case of Recurrent Glioblastoma**
Motoo Nagane, Soichiro Shibui, Hiroshi Oyama, Akio Asai, Yoshiyuki Kuchino, and Kazuhiro Nomura
COMMENTARY
Alexander Kolchinsky, Richard P. Moser, and Paul L. Kornblith

Pediatric Neurosurgery
471 **Expanded Cavum Septi Pellucidi and Cavum Vergae Associated with Behavioral Symptoms Relieved by a Stereotactic Procedure: Case Report**
Tadao Miyamori, Kahoko Miyamori, Takesi Hasegawa, Kazuhiko Tokuda, and Yuuichi Yamamoto
COMMENTARY
Harold J. Hoffman

Spine
476 **"Preplacement" of the Back of the Halo Vest in Patients Undergoing Cervical Traction for Cervical Spine Injuries: A Technical Note**
R. Goldstein, H. Gordon Deen, Jr., Richard S. Zimmerman, and Mark K. Lyons
COMMENTARY
Henry Feuer

479 **Complication of Epidural Fat Graft in Lumbar Spine Disc Surgery: Case Report**
Sabahattin Çobanoğlu, Murat İmer, Filiz Özylmäz, and Muzaffer Memiş
COMMENTARY
Stewart B. Dunsker

Infection
483 **Invasive Aspergilloma of the Frontal Base Causing Internal Carotid Artery Occlusion**
Hideki Satoh, Tohru Uozumi, Katsuzo Kiya, Fusao Ikawa, Kaoru Kurisu, Masayuki Sumida, and Akinori Nakahara
COMMENTARY
A. Hamid Zidan

489 PARASELLAR *ASPERGILLUS* GRANULOMA EXTENDING FROM THE SPHENOID SINUS: REPORT OF TWO CASES
Hiroki Kurita, Yoshiaki Shiokawa, Kazuhide Furuya, Hiromu Segawa, and Keiji Sano

Medicolegal Issues
495 INFORMED CONSENT
Robert K. Ausman

Resident's Corner
498 WITHDRAWAL OF GLUCOCORTICOID THERAPY IN NEUROSURGICAL PATIENTS
George C. Szabo and Susan R. Winkler

Editorial
499 NOT ALL OF US ARE SAINTS
James I. Ausman

501 *Book Reviews*

503 *Announcements*

508 *Upcoming Features*

VOLUME 44/NUMBER 12/DECEMBER 1995

Editorial
509 IN THIS ISSUE . . .
James I. Ausman

Featured Subject
510 NEUROSURGERY IN 50 YEARS
James I. Ausman

Vascular: Aneurysm
522 PROGRESS IN THE MANAGEMENT OF PATIENTS WITH ANEURYSMAL SUBARACHNOID HEMORRHAGE: A SINGLE HOSPITAL REVIEW FOR 20 YEARS PART I: YOUNGER PATIENTS
Eiji Moriyama, Yuzo Matsumoto, Toshinari Meguro, Sanami Kawada, Shinya Mandai, Yuji Gohda, and Masaru Sakurai

528 PROGRESS IN THE MANAGEMENT OF PATIENTS WITH ANEURYSMAL SUBARACHNOID HEMORRHAGE: A SINGLE HOSPITAL REVIEW FOR 20 YEARS PART II: AGED PATIENTS
Eiji Moriyama, Yuzo Matsumoto, Toshinari Meguro, Sanami Kawada, Shinya Mandai, Yuji Gohda, and Masaru Sakurai
COMMENTARY
Thomas A. Kopitnik, Duke Samson, and Michael Besser

Vascular: Ischemia

534 **THE OCULAR ISCHEMIC SYNDROME IN CAROTID ARTERY OCCLUSIVE DISEASE: OPHTHALMIC COLOR DOPPLER FLOW VELOCITY AND ELECTRORETINOGRAPHIC CHANGES FOLLOWING CAROTID ARTERY RECONSTRUCTION**
J.L. Story, K. Story Held, J.M. Harrison, T.P. Cleland, K.D. Eubanks, and W.E. Brown, Jr.

Spine

536 **INTRARADICULAR AND INTRADURAL LUMBAR DISC HERNIATION: EXPERIENCES WITH NINE CASES**
Giuseppe Schisano, Antonio Franco, and Pierpaolo Nina
COMMENTARY
Harry O. Cole and Vicente D. Calatayud Maldonado

544 **INTRAOPERATIVE STIMULATION OF PEDICLE SCREWS: A NEW METHOD FOR VERIFICATION OF SCREW PLACEMENT**
William F. Young, David E. Morledge, William Martin, and Kee B. Park
COMMENTARY
George W. Sypert and Francis W. Gamache, Jr.

548 **MIGRATION OF BULLET IN THE SPINAL CANAL: A CASE REPORT**
I. Suat Öktem, Ahmet Selçuklu, Ali Kurtsoy, I. Argun Kavuncu, and Aydin Paşaoğlu
COMMENTARY
Michael E. Carey

Scientific Update

551 **THE ROLE OF CYTOTOXIC CHEMOTHERAPY IN THE TREATMENT OF MALIGNANT BRAIN TUMORS**
Paul L. Kornblith

Neoplasm

553 **ADENOCARCINOMA OF MECKEL'S CAVE: CASE REPORT**
Leonello Tacconi, Tan Arulampalam, Francis Johnston, and Lindsay Symon
COMMENTARY
Madjid Samii

556 **INTRACRANIAL MENINGEAL MELANOCYTOMA: CASE REPORT**
Francesco Maiuri, Giorgio Iaconetta, Dino Benvenuti, Eros Lamaida, and Maria Laura De Caro
COMMENTARY
David Danoff

562 **SUCCESSFUL REMOVAL OF LARGE PINEAL REGION MENINGIOMAS: TWO CASE REPORTS**
Conor Laurence Mallucci and Sergei Obukhov
COMMENTARY
James I. Ausman

567 **RESECTION OF OLFACTORY GROOVE MENINGIOMAS: TECHNICAL NOTE REVISITED**
Ramesh Babu, Alice Barton, and Samuel S. Kasoff
COMMENTARY
Albino Bricolo, Yukitaka Ushio, and David Danoff

Trauma: Experimental

573 **THE EFFECT OF THE TREATMENT OF HIGH-DOSE METHYLPREDNISOLONE ON Na^+-K^+/Mg^{+2} ATPASE ACTIVITY AND LIPID PEROXIDATION AND ULTRASTRUCTURAL FINDINGS FOLLOWING CEREBRAL CONTUSION IN RAT**
Faruk İldan, Sait Polat, Ayse Öner, Turgay İsbir, Erdal Çetinalp, Mehmet Kaya, Aşkın Karadayı

Special Article

581 **WHAT IS METANALYSIS?**
Stephen J. Haines and Beverly C. Walters

Neurology

583 **FRONTAL LOBE ATAXIA**
John B. Terry and Roger N. Rosenberg

Resident's Corner

589 **ADVICE TO YOUNG NEUROSURGEONS**
Don M. Long

Editorial

592 **THE FUTURE: IS IT COST-EFFECTIVE?**
James I. Ausman

593 *Book Review*

594 *Author Index to Volume 44*

602 *Subject Index to Volume 44*

626 *Upcoming Features*